CLAIMS

1. A portable telephone system including a base station and a mobile station which communicate with each other by using one time divisional time slot including a high speed channel and a low speed channel, wherein a first communication requiring said high speed channel by a first calling party from said base station to said mobile station and a second communication not requiring said high speed channel by a second party from said base station to said mobile station are carried out simultaneously by using said high speed channel and said low speed channel, respectively.

2. The system as set forth in claim 1, wherein said first communication is a speech communication.

3. The system as set forth in claim 1, wherein said first communication is a personal handyphone system Internet Access Forum Standard (PIAFS) data communication.

4. The system as set forth in claim 1, wherein said first communication is a facsimile data communication.

5. The system as set forth in claim 1, wherein said second communication is an Internet Browser service data communication.

6. The system as set forth in claim 1, wherein said high speed channel has a band width of 32kbps and said low speed channel has a band width of 3.2kbps.

7. The system as set forth in claim 1, being a personal handyphone system (PHS).

8. A communication method for a portable telephone system including a base station and a mobile station which communicate with each other by using one time divisional time slot including a high speed channel and a low speed channel, comprising the steps of:

determining whether or not said high speed channel is empty, when a new service is requested from said base station to said mobile station using said low speed

channel; and

assigning said new service to said high speed channel, when said high speed channel is empty.

9. The method as set forth in claim 8, further comprising the steps of:

determining whether or not said low speed channel is empty, when said high speed channel is not empty;

determining whether said new service is related to a first communication which requires said high speed channel or a second communication not requiring said high speed channel, when said low speed channel is empty; and

assigning said new service to said low speed channel, when said new service is related to said second communication.

10. The method as set forth in claim 9, further comprising a step of assigning said new service to no channel, when said low speed channel is not empty.

11. The method as set forth in claim 9, further comprising the steps of:

determining whether a service occupying said high speed channel is a service relating to said first communication or a service relating to said second communication, when said new service is related to said first communication; and

moving the service occupying said high speed channel to said low speed channel and assigning said new service to said high speed channel, when the service occupying said high speed channel is a service relating to said second communication.

12. The method as set forth in claim 11, further comprising a step of assigning said new service to no channel, when the service occupying said high speed channel is a service relating to said first communication.

13. The method as set forth in claim 9, wherein said first communication is a speech communication.

14. The method as set forth in claim 9, wherein said first communication is a personal handyphone system Internet Access Forum Standard (PIAFS) data communication.

15. The system as set forth in claim 9, wherein said first communication is a facsimile data communication.

16. The method as set forth in claim 9, wherein said second communication is an Internet Browser service data communication.

17. The system as set forth in claim 8, wherein said high speed channel has a band width of 32kbps and said low speed channel has a band width of 3.2kbps.

18. The method as set forth in claim 8, wherein said system is a personal handyphone system (PHS).